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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/644,055 | 08/19/2003 | Paul A. Barsanti | 19099.004 | 5144 |
| 27476 7590 10/08/2008 NOVARTIS VACCINES AND DIAGNOSTICS INC. | | | EXAMINER | |
| INTELLECTUAL PROPERTY R338 P.O. BOX 8097 Emeryville, CA 94662-8097 | | SEAMAN, D MARGARET M | | |
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| 10644055 | 8/19/03 | BARSANTI ET AL. | 19099.004 |

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D. Margaret Seaman

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Commissioner for Patents

Please find attached the 1449s of 11/17/2003, 12/22/2003 & 3/16/2007. If there are any questions, please call me at 571-272-0694.

/D. Margaret Seaman/ Primary Examiner, Art Unit 1625